Electronic Indicating Temperature Switch/Transmitter





Mechanical engineering

Heating and cooling circuits

Air conditioning

Plant constructionEnvironmental technology

technology

FEATURES

- Compact dimensions
- Simple handling
- Cost effective
- Service-friendly
- Customized solutions

TEMPERATURE RANGES

- -50 to +400°F
- -50 to +1100°F
- -50 to +750°F
- -300 to +1100°F

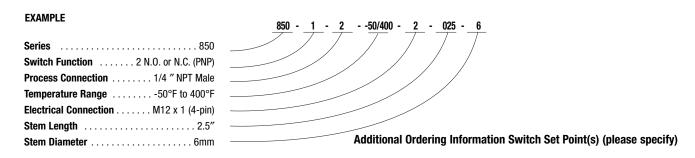
SERIES 850

With two programmable switching outputs, or one programmable switching output and one programmable analog output

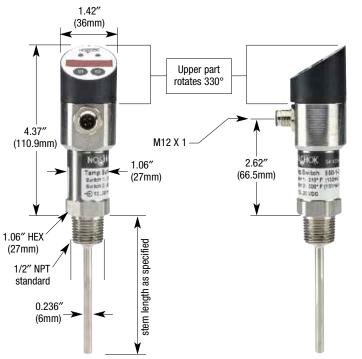
The NOSHOK 850 Temperature Switch measures and displays temperature and has one or two switching outputs as well as an optional analog output. The temperature set points, reset points, switching functions and the measuring range of the optional analog output are simple to adjust via two buttons. All these features and measuring range between -300°F and 1100°F (-200°C and 600°C) cover the majority of temperature measuring and switching tasks. Different process connections, which are also available as adjustable screw connections, underline the versatility of the NOSHOK 850 Series. For fast response times a version with tapered stem is also available. All wetted parts as well as the housing are made of stainless steel. The housing and the replaceable measuring insert are screwed together. This allows the exchange of the measuring insert without opening the connection to the process.

	SPECIFICATIONS
emperature Ranges	Standard ranges from -300°F to 1100°F (-200°C to 600°C) Selectable display for °F or °C
emperature Sensor	Platinum resistor (PT100 2-Wire, ClassB)
letted Materials	316Ti Stainless steel
ousing Material	Stainless steel
Orking Pressure	6 mm Stem Diameter; 600 psi 8 mm Stem Diameter; 1500 psi
ower Supply	12 Vdc to 30 Vdc, unregulated
ower Consumption	≤ 50 mA, without load
ignal Output	4 mA to 20 mA Scaleable from 20-100% of range
Switch Points Number Function Adjustment	Individually adjustable via external control keys 1 or 2 (PNP) NO / NC; windows-and hysteresis function freely adjustable Set point: 0.1° steps within temperature range Reset point: 0.1° steps from beginning temperature range until (set point -0.1°)
witch Rating	100 mA per switch
ectrical Connection	M12 x 1 (4-Pin)
ccuracy	Class B +0.1% of the temperature range
isplay	7 Segment-LED, red 4-digit, height 0.3"
emperature Ranges Storage Ambient Influence	-22°F to 176°F (-30°C to 80°C) -13°F to 158°F (-25°C to 70°C) ±0.006% of measuring range per °F
invironmental Protection	NEMA 4; IP65 (IEC 529)
Veight	0.66 lbs. depending on stem length

Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.



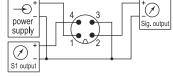
Outline Dimensions



Wiring Diagrams

1 switching output (M12 x 1) with 4mA to 20 mA Signal p-switching

p-switching



2 switching output (M12 x 1) p-switching

